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CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

NABL - Accredited Laboratory as per ISO / IEC-17025 :2005

T-2377

Job No.: CTCE/BBMP/NS/W.No.12/CSR-06/369e/Cube/2017-18 28.07.2017

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

* Customer	:	**Asst. Executive Engineer,** Shettyhalli Sub Division, BBMP, Bangalore.
* Agency	:	**Mr. N. Shivananda,** No.35, 2nd Cross, 1st A Main Road, Defiance Colony, Bagalagunte,
* Name of the work	:	Construction of RCC Drain at Vani Convent Road Chikkasandra in Ward No.12, Shettyhalli Sub Division, BBMP, Bangalore.
* Reference	:	AEE/SSD/PR/111/2017-18 Dated: 22.06.2017
* Sample ID	:	Culvert Deck Slab Concrete
Technical Reference	:	IS: 516-1959 (RA-2013)
Size of cubes	:	150mmx150mmx150mm
Cross Sectional Area	:	22500 mm^2
* Grade of Concrete	:	M_{20}
Compressive Strength as on	:	28^{th} day
Sample Received on	:	28.07.2017

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	30.06.2017	28.07.2017	8.129	490.5	21.80
2	30.06.2017	28.07.2017	8.230	505.6	22.47
3	30.06.2017	28.07.2017	8.360	513.4	22.82

*Information is furnished by the Customer/Representative.

Note:

⇒The report shall not be reproduced, except in full, without the written approval of the laboratory.

⇒The results indicated above are based on the tests carried out on the samples received in the laboratory.

⇒Any Query regarding the report must be reported within 30 days from the date of testing.

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VIDYARANI P.K.
Technical Manager

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ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಕೆಳಭಾಗ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಎಸ್.ಎಂ. ಆಫೀಸ್, ಡಿಫೆಂಡ್ರನಗರ, ಬೆಂಗಳೂರು

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T-2377

Job No.: CTCE/BBMP/NS/W.No.12/CSR-06/369e/Precast slab/2017-18 06.07.2017

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CORE

* Customer	:	**Asst. Executive Engineer,** Shettyhalli Sub Division, BBMP, Bangalore.
* Agency	:	**Mr. N. Shivananda,** No.35, 2nd Cross, 1st A Main Road, Defiance Colony, Bagalagunte, Bangalore.
* Name of work	:	Construction of RCC Drain at Vani Convent Road Chikkasandra in Ward No.12, Shettyhalli Sub Division, BBMP, Bangalore.
* Reference	:	AEE/SSD/PR/111/2017-18 Dated: 22.06.2017
* Sample ID	:	Precast slab
* Grade of Concrete	:	M_{20}
Techinical Reference	:	IS:516-1959 (RA- 2013), SP-24:1983.
Sample Received on	:	03.07.2017
Date of Testing	:	06.07.2017

Sl. No	Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m^3)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm^2)	Correction Factor for the Dia. (Strength of the Core x 1.08)	Corrected Cylinder Compressive Strength (N/mm^2)	Equivalent Cube Compressive Strength (N/mm^2)
1	50.00	79.00	0.390	2514.25	1.58	0.955	31.55	16.07	17.35	18.18	22.72
2	50.00	80.00	0.397	2527.38	1.60	0.957	32.60	16.60	17.93	17.16	21.45
3	50.00	81.00	0.399	2508.75	1.62	0.959	33.95	17.29	18.67	17.91	22.38

* Information is furnished by the Customer/Representative

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